

## ABSTRACT OF THE DISCLOSURE

There are provided a structure of an ink-jet recording head comprising a substrate; a first conductive layer provided on the substrate; an insulating layer provided on the first conductive layer; a second conductive layer formed on the insulting layer and coming into contact with the first conductive layer; and a heat generation layer disposed on the second conductive layer and having, on a surface thereof, a self-oxidized protective film as an ink-contact interface, in order that metal conductive layer material having excellent energy efficiency and typified as aluminum, which is generally used as semiconductor material, can be used.